

Amendments to the Claims

Please accept the following listing of claims to replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (canceled)
2. (canceled)
3. (canceled)
4. (canceled)
5. (canceled)
6. (canceled)
7. (canceled)
8. (canceled)
9. (new) A method of selecting devices for an air blow system using a programmed computer said method comprising:

a step in which an operator inputs current values of a nozzle diameter, a work distance, and a pressure immediately upstream above a nozzle or a blow impact pressure as current values through a current value inputting means;

a step in which the computer calculates a flow-rate of a compressed air in consumption, a blow impact pressure or a pressure immediately upstream above a nozzle from the current values,

a step in which an operator inputs an improved value of a nozzle diameter or a pressure immediately upstream above a nozzle so as to decrease the flow-rate of a compressed air in consumption through improved value inputting means;

a step in which the computer calculates values of a flow-rate of a compressed air in consumption, a pressure immediately upstream above a nozzle or a nozzle diameter from the current values and the improved value necessary times; and

a step in which the result of the calculation by the computer is displayed on a screen of a personal computer for an operator to select, from the calculation result, the value of a nozzle diameter or a pressure immediately upstream above a nozzle at which value a flow-rate of a compressed air in consumption is lowest.

10. (new) A method of selecting devices for an air blow system using a programmed computer, said method comprising

a step in which an operator inputs the current values of (1) a nozzle diameter, (2) the number of nozzles, (3) a pressure immediately upstream above a nozzle, a blow impact pressure or a secondary pressure of a pressure-reducing valve, (4) a composite sonic conductance or a composite effective cross-sectional area, (5) material of a pipe, and (6) a pipe length as current values through a current value inputting means;

a step in which an operator inputs a value of an upstream pressure loss or a conductance ratio as a set value providing a base for selecting the recommended circuit through a means for inputting set values of the recommended circuit;

a step in which the computer calculates a current upstream pressure loss and a current conductance ratio so that an operator judges whether or not the current upstream pressure loss or the current conductance ratio calculated by the computer meet the set value, and, in the event of a not-meet judgment, the computer calculates a sonic conductance of an electromagnetic valve of the recommended circuit and an inner diameter of a pipe of the recommended circuit which accord with the set value; and

a step in which the result of the calculation by the computer is displayed on a screen of a personal computer for an operator to select devices for use in an upstream piping system and a pressure-reducing valve which accord with the calculated sonic conductance of an electromagnetic valve of the recommended circuit and with the calculated inner diameter of a pipe of the recommended circuit.

11. (new) A method of selecting devices for an air blow system using a programmed computer, said method comprising

a step in which an operator inputs new values of a nozzle diameter, the number of nozzles, a pressure immediately upstream above a nozzle or a blow impact pressure as new values through a new value inputting means;

a step in which an operator inputs a value of an upstream pressure loss or a conductance ratio as a set value providing a base for selecting the recommended circuit through a means for inputting set values of the recommended circuit; and

a step in which the computer calculates, from the new values and the set value, a sonic conductance of an electromagnetic valve of the recommended circuit and an inner diameter of a pipe of the recommended circuit which accord with the set value, for an operator to select devices for use in an upstream piping system and a pressure-reducing valve which accord with the calculated sonic conductance of an electromagnetic valve of the recommended circuit and with the calculated inner diameter of a pipe of the recommended circuit.

12. (new) A computer readable medium which stores a program for selecting devices for an air blow system by a computer which is encoded with

a step in which an operator inputs current values of a nozzle diameter, a work distance, and a pressure immediately upstream above a nozzle or a blow impact pressure as current values through a current value inputting means;

a step in which the computer calculates a flow-rate of a compressed air in consumption, a blow impact pressure or a pressure immediately upstream above a nozzle from the current values;

a step in which an operator inputs an improved value of a nozzle diameter or a pressure immediately upstream above a nozzle so as to decrease the flow-rate of a compressed air in consumption through improved value inputting means;

a step in which the computer calculates values of a flow-rate of a compressed air in consumption a pressure immediately upstream above a nozzle or a nozzle diameter from the current values and the improved value necessary times; and

a step in which the result of the calculation by the computer is displayed on a screen of a personal computer for an operator to select, from the calculation result, the value of a nozzle diameter or a pressure immediately upstream above a nozzle at which value a flow-rate of a compressed air in consumption is lowest.

13. (new) A computer readable medium which stores a program for selecting devices for an air blow system by a computer which is encoded with

a step in which an operator inputs current values of (1) a nozzle diameter, (2) the number of nozzles, (3) a pressure immediately upstream above a nozzle, a blow impact pressure or a secondary pressure of a pressure-reducing valve, (4) a composite sonic conductance or a composite effective cross-sectional area, (5) material of a pipe, and (6) a pipe length as current values through a current value inputting means;

a step in which an operator inputs a value of an upstream pressure loss or a conductance ratio as a set value providing a base for selecting the recommended circuit through a means for inputting set values of the recommended circuit;

a step in which the computer calculates a current upstream pressure loss and a current conductance ratio so that an operator judges whether or not the current upstream pressure loss or the current conductance ratio calculated by the computer meet the set value, and, in the event of a not-meet judgment, the computer calculates a sonic conductance of an electromagnetic valve of the recommended circuit and an inner diameter of a pipe of the recommended circuit which accord with the set value; and

a step in which the result of the calculation by the computer is displayed on a screen of a personal computer for an operator to select devices for use in an upstream piping system and a pressure-reducing valve which accord with the calculated sonic conductance of an electromagnetic valve of the recommended circuit and with the calculated inner diameter of a pipe of the recommended circuit.

14. (new) A computer readable medium which stores a program for selecting devices for an air blow system by a computer which is encoded with

a step in which an operator inputs new values of a nozzle diameter, the number of nozzles, a pressure immediately upstream above a nozzle or a blow impact pressure as new values through a new value inputting means,

a step in which an operator inputs a value of an upstream pressure loss or a conductance ratio as a set value providing a base for selecting the recommended circuit through a means for inputting set values of the recommended circuit; and

a step in which the computer calculates, from the new values and the set value, a sonic conductance of an electromagnetic valve of the recommended circuit and an inner diameter of a pipe of the recommended circuit which accord with the set value, for an operator to select devices for use in an upstream piping system and a pressure-reducing valve which accord with the, calculated sonic conductance of an electromagnetic valve of the recommended circuit and with the calculated inner diameter of a pipe of the recommended circuit.